STUDIO SYMBIOSIS · AL QATIF, SAUDI ARABIA

ETERNAL HORIZON

A Parametric Architectural Sculpture

Rooted in Culture, Continuity & Sustainability

studio-symbiosis.com · 2025

studio-symbiosis.com/project/saudi-roundabout/

PROJECT OVERVIEW

About the Project

Eternal Horizon is a landmark parametric architectural sculpture located at the central roundabout of Al Qatif, Saudi Arabia. Conceived by Studio Symbiosis, it stands as a bold urban symbol — merging Saudi Arabia's rich cultural heritage with cutting-edge parametric design and sustainable technology.

The sculpture creates not just a visual landmark, but a living, breathing experiential space — one that changes with the sun, wind, e around it.

Al Qatif, Saudi Arabia

Night View

CONCEPT & INSPIRATION

01

Möbius Ribbon

A continuous spatial loop with no beginning or end — symbolising the uninterrupted flow of time, evolution, and unity

02

Arabic Calligraphy

The form draws from the fluid curves of Arabic script, honouring Saudi culture and integrating heritage into modern parametric form

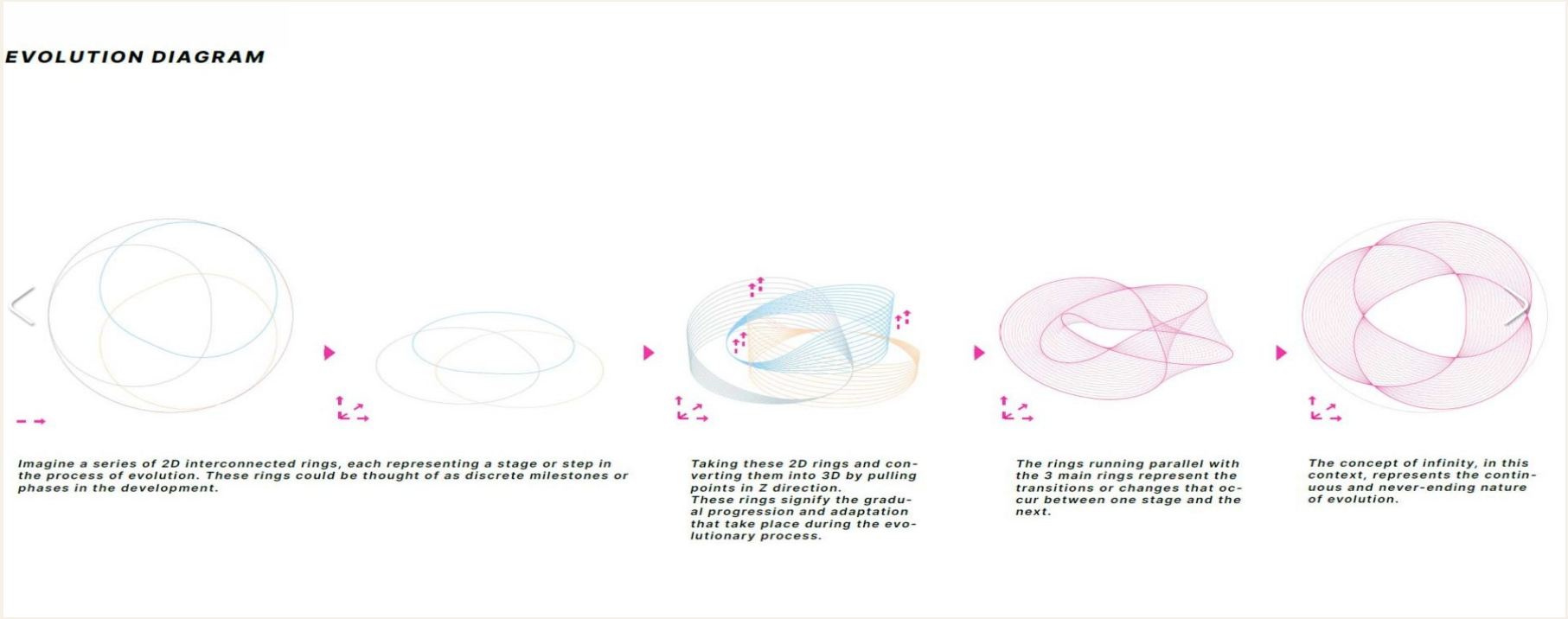
03

Desert Horizon

Undulating curves allude to the sand dunes and the endless horizon — a subtle dialogue between nature, landscape, and architecture

FORM EVOLUTION

From 2D Rings to Infinite Loop


EVOLUTION DIAGRAM
Imagine a series of 2D interconnected rings, each representing a stage or step in the process of evolution. These rings could be thought of as discrete milestones or phases in the development.
Taking these 2D rings and converting them into 3D by pulling points in Z direction.
These rings signify the gradual progression and adaptation that take place during the evolutionary process.
The rings running parallel with the 3 main rings represent the transitions or changes that occur between one stage and the next.
The concept of infinity, in this context, represents the continuous and never-ending nature of evolution.

Parametric evolution — 2D interconnected rings progressively transformed into a 3D infinite spatial loop

DESIGN FEATURES

What Makes It Extraordinary

Parametric Form

Generated through algorithmic design — the Möbius-inspired loop maintains perfect fluidity and structural integrity from every viewing angle

Reflective Metal

The sculpture's surface is clad in reflective metal that mirrors the surrounding desert landscape, creating a dynamic 'endless horizon' visual effect

Kinetic Response

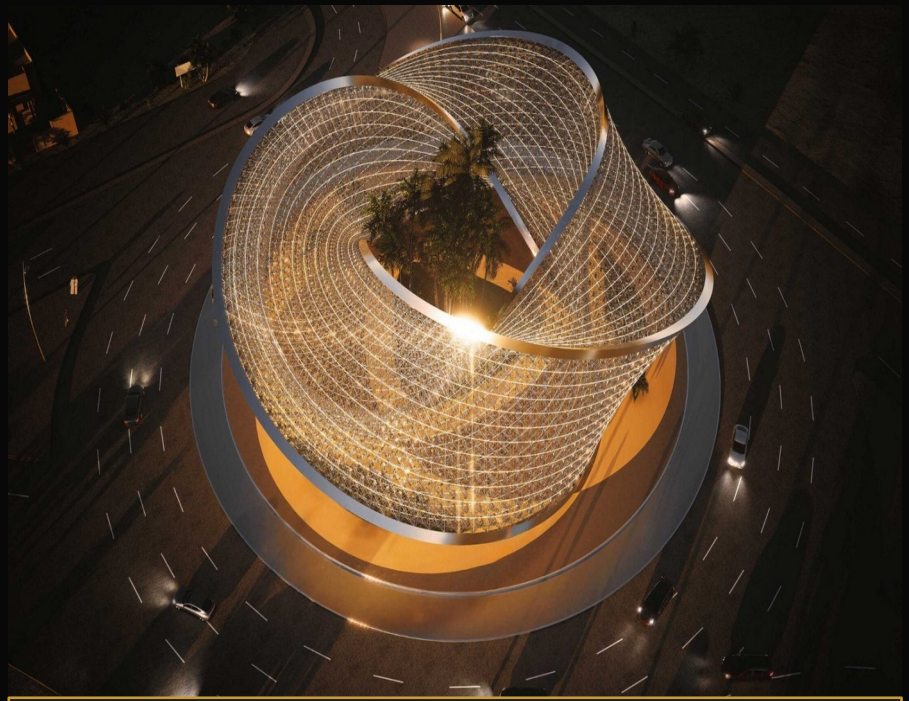
Designed to respond to sun, wind, and observer movement — the sculpture creates a variable, ever-changing sensory experience throughout the day

Wind Turbines

Integrated wind turbines serve a dual purpose — generating renewable energy while acting as a visual expression of movement and sustainability

PROJECT RENDERS

Daytime Street View · Al Qatif



Aerial Night View · Al Qatif

CULTURAL SIGNIFICANCE

Where Heritage Meets Innovation

Identity & Heritage

Cultural Continuity
References Saudi Arabia's rich heritage through Arabic calligraphy-inspired form and traditional geometric motifs

Symbol of Progress
Reflects Saudi Vision 2030 — where culture and innovation coexist, creating new qualities in public space

Community Space
The sculpture becomes an experiential space — the viewer becomes part of it as light, shadow, and movement engage the senses

Urban Landmark
Integrates landscape, traffic infrastructure, and cultural heritage — becoming a true symbol of Al Qatif's identity

PROJECT FACTS

PROJECT	Eternal Horizon
LOCATION	Al Qatif, Saudi Arabia
TYPE	Parametric Sculpture / Urban Landmark
POSITION	Central Roundabout
MATERIAL	Reflective Metal Structure
STATUS	Concept / Under Development
ENERGY	Integrated Wind Turbines
DESIGN	Studio Symbiosis

About the Studio

Studio Symbiosis

An award-winning Architecture and Design firm with offices in Delhi NCR, London, and Stuttgart — powered by 90+ architects united by a singular vision of performance-driven, sustainable design.

Founded by Amit Gupta (MArch AA London) and Britta Knobel Gupta, Studio Symbiosis fuses parametric innovation with cultural sensitivity to create spaces that interact, adapt, and resonate with their surroundings.

- Red Dot Award 2023
- German Design Award 2024
- Asia Pacific Property Award 2024
- Forbes India Top 30 Architects

WHERE HERITAGE MEETS THE FUTURE

Eternal Horizon · Al Qatif, Saudi Arabia

A Studio Symbiosis Project

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